

Claims:

A listing of the entire set of pending claims is submitted herewith. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently amended) A computer implemented method for modeling a financial product, comprising the steps of:

displaying on a first visual display a palette of objects for constructing a financial product;

displaying on the first visual display at least one window for graphically representing the financial product in the form of a tree that includes a hierarchy of entities; and

selecting objects from the palette to construct the financial product, wherein selecting the objects from the palette includes dragging the objects from the palette to the window;

wherein at least one of the objects is a Factory entity, wherein the Factory entity is capable of generating a plurality of objects.

2. (Cancelled)

3. (Previously presented) The method of claim 1, wherein the tree structure corresponds to an XML document.

4. (Original) The method of claim 3, wherein an XML schema defines a valid structure for the XML document.

5. (Cancelled)

6. (Cancelled)

7. (Previously presented) The method of claim 1, further including displaying the attributes of an entity.

8. (Previously presented) The method of claim 7, wherein displaying the attributes of an entity includes displaying an attribute name and corresponding attribute values.

9. (Previously presented) The method of claim 1, further including editing an entity using a data entry form.

10. (Cancelled)

11. (Previously presented) The method of claim 1, further including providing a Watcher entity.

12. (Original) The method of claim 11, wherein the Watcher entity is a Logging Watcher entity.

13. (Original) The method of claim 11, wherein the Watcher entity is an Action Watcher entity.

14. (currently amended) A computer system for modeling a financial product, comprising:

a display device for displaying a palette of objects for constructing a financial product and a window for graphically representing the financial model in the form of a tree that includes a hierarchy of entities;

an input device for selecting objects from the palette, wherein selecting the objects from the palette includes dragging the objects from the palette to the window; and

a processor configured to construct the financial model using the selected objects;

wherein at least one of the objects is a Factory entity, wherein the Factory entity is capable of generating a plurality of objects.

15. (cancelled)

16. (Previously presented) The system of claim 14, wherein the tree structure corresponds to an XML document.

17. (original) The system of claim 16, wherein an XML schema defines a valid structure for the XML document.

18. (cancelled)

19. (Previously presented) The system of claim 14, wherein the tree structure includes a hierarchy of entities, each of the entities having at least one attribute name and a corresponding attribute value.

20. (Currently amended) A program storage device readable by a machine, tangibly embodying a program of instructions executable on the machine to perform method steps for modeling a financial product, the method steps comprising:

- displaying a palette of objects for constructing a financial product;
- displaying at least one window for graphically representing the financial product in the form of a tree that includes a hierarchy of entities; and
- selecting objects from the palette to construct the financial product,

wherein selecting the objects from the palette includes dragging the objects from the palette to the window;

wherein at least one of the objects is a Factory entity, wherein the Factory entity is capable of generating a plurality of objects.

21. (Currently amended) The method of claim 20 ~~[[21]]~~, wherein the Factory entity is an iterator Factory that includes an exemplar and one or more value streams.

22. (Original) The method of claim 21, wherein the value streams include one or more of an integer stream, a date stream and an accrual stream

23. (Original) A method for modeling a financial product, comprising the steps of:

displaying a palette of objects for constructing a financial product;

displaying at least one window for graphically representing the financial product in the form of a tree that includes a hierarchy of entities;

selecting objects from the palette to construct the financial product, wherein selecting the objects from the palette includes dragging the objects from the palette to the window;

wherein one of the objects is a Watcher entity, wherein the Watcher entity comprises:

a set of expressions that refer to the financial product.

24. (Original) The method of claim 23, wherein the Watcher entity is a Logging Watcher entity.

25. (Original) The method of claim 23, wherein the Watcher entity is an Action Watcher entity.

26. (New) The method of claim 1, wherein the plurality of objects each have a common attribute.

27. (New) The method of claim 14, wherein the plurality of objects each have a common attribute.

28. (New) The method of claim 20, wherein the plurality of objects each have a common attribute.